Appl. No. Filed 09/848,556 May 3, 2001

treating the spine in the treatment zone; wherein the distance is at least about 5 cm.

- 27. (Original): A method of treating the spine as in Claim 26, wherein the distance is at least about 10 cm.
- 28. (Original): A method of treating the spine as in Claim 26, wherein the access site is on the sacrum.
- 29. (Original): A method of treating the spine as in Claim 26, wherein the access site is on the thoracic spine.
- 30. (Original): A method of treating the spine as in Claim 26, further comprising the step of introducing the device percutaneously through the skin prior to the advancing step.
- 31. (Original): A method of treating the spine as in Claim 26, wherein the further advancing step comprises advancing the device along a linear path through the spine.
- 32. (Original): A method of treating the spine as in Claim 26, wherein the further advancing step comprises advancing the device along a nonlinear path through the spine.
- 33. (Original): A method of treating the spine as in Claim 26, wherein the treating step comprises implanting a fixation device.
- 34. (Currently amended): A method of treating the spine comprising creating a minimally invasive passageway through tissue and into the spine, by inserting a tract sheath from a skin incision, through tissue, and through the sacrum of the spine, wherein the passageway has a linear longitudinal axis and a length of at least about 5 times its width, and introducing at least one device through the passageway to treat the spine, wherein an extension of the axis extends through at least two intervertebral disks.
- 35. (Original): A method of treating the spine as in Claim 34, wherein the passageway has a length of at least about 10 times its width.
- 36. (Original): A method of treating the spine as in Claim 34, wherein the passageway passes through the skin within about 5 cm of the coccyx.
- 37. (Original): A method of treating the spine as in Claim 34, wherein the passageway enters the spine on the anterior side.
- 38. (Original): A method of treating the spine as in Claim 34, wherein the passageway enters the spine on the posterior side.

Appl. No. Filed

09/848,556

May 3, 2001

39. (Original): A method of treating the spine as in Claim 34, wherein the introducing step comprises introducing a fixation device.

KMOB

(Currently amended): A method of performing a procedure on the spine at a 40. procedure site which is spaced apart from an access site, comprising the steps of:

identifying an access site on the spine;

inserting a tract sheath from a skin incision, through tissue, and to the access site: advancing a device through the skin incision, through the sheath, through the access site and into the spine;

further advancing the device axially through at least one vertebrae and at least one disk to the procedure site; and

performing a procedure at the procedure site;

wherein the access site is on a healthy portion of the spine, and the procedure site is on an unhealthy or compromised portion of the spine.

- (Original): A method of performing a procedure as in Claim 40, wherein the 41. access site is on a sacral vertebrae.
- (Original): A method of performing a procedure as in Claim 40, wherein the 42. procedure site is in a disk.
- (Currently amended): A method of performing a procedure from the inside of the 43. spine, while minimizing the cross sectional area of an access pathway in the spine to [[the]] a procedure site, comprising the steps of:

inserting a tract sheath through a skin incision, through tissue, and to the access pathway, the access pathway beginning at the sacrum of the spine and extending axially into the lumbar spine:

advancing a device through [[an]] the sheath, through the access pathway in the spine to [[a]] the procedure site, while the device has a first, reduced crossing profile; and

enlarging the crossing profile of a portion of the device at the [[treatment]] procedure site to perform the procedure;

wherein the advancing step comprises advancing the device through at least one vertebrae and at least one disk.

Appl. No.

09/848,556

Filed

May 3, 2001

- 44. (Original): A method of performing a procedure from the inside of the spine as in Claim 43, wherein the enlarging step comprises advancing a portion of the device radially outwardly from a longitudinal axis of the device, to perform the procedure.
  - 45. (Original): A method of fusing the spine, comprising the steps of: identifying a site on the anterior surface of the sacrum;

forming a lumen from the site through the sacrum, through a disk and into at least one vertebrae; and

introducing a fusion implant through the lumen.

- 46. (Original): A method of fusing the spine as in Claim 45, wherein the introducing step comprises introducing an elongate metal fusion device.
- 47. (Original): A method of fusing the spine as in Claim 45, wherein the introducing step comprises introducing a cure in place media.
- 48. (Withdrawn): A method of accessing the spine through a site on the anterior of the sacrum, comprising the steps of:

introducing an access device through a tissue tract from the surface of the skin to a first site on the anterior of the sacrum;

advancing the access device along the anterior surface of the sacrum to a second site; and

entering the sacrum at the second site.

- 49. (Withdrawn): A method of accessing the spine as in Claim 48, wherein the advancing step comprises advancing the distal end of the access device both distally and laterally as the distal end moves along the anterior surface of the sacrum.
- 50. (Withdrawn): A method of accessing the spine as in Claim 48, wherein the introducing step comprises introducing a blunt needle trocar.
- 51. (Withdrawn): A method of accessing the spine as in Claim 48, wherein the introducing step comprises introducing the access device through the paracoccygeal space.
- 52. (Withdrawn): A method of accessing the spine as in Claim 48, wherein the second site is anterior to S2.
- 53. (Withdrawn): A method of accessing the spine as in Claim 48, further comprising the step of positioning a tubular sheath through the tissue tract to the second site.

Appl. No. Filed

09/848,556 May 3, 2001

54. (Withdrawn): A method of accessing the spine as in Claim 53, further comprising the step of introducing a fixation device through the sheath.

- 55. (Withdrawn): A method of accessing the spine as in Claim 54, wherein the fixation device is positioned across at least the S1 and L5 vertebrae.
- 56. (Withdrawn): A method of accessing the spine as in Claim 55, wherein the fixation device is positioned across at least the S1, L5 and L4 vertebrae.
- 57. (Withdrawn): A method of positioning a linear access sheath from a paracoccygeal entrance point to the S2 vertebrae, comprising the steps of:

introducing an access device through tissue in the paracoccygeal space; advancing the distal end of the access device into contact with the sacrum;

sweeping the distal end along the anterior surface of the sacrum towards the S2 vertebrae, thereby displacing anatomical structures from the path of the access device; and

fixing the distal end of the access device with respect to the S2 vertebrae.

- 58. (Withdrawn): A method of positioning a linear access sheath as in Claim 57, wherein the advancing step comprises advancing the sheath through an incision.
- 59. (Withdrawn): A method of positioning a linear access sheath as in Claim 57, wherein the advancing step comprises advancing the sheath through a percutaneous puncture.
- 60. (Withdrawn): A method of positioning a linear access sheath as in Claim 57, wherein the fixing step comprises threadably engaging the distal end of the sheath in an aperture in the S2.